

**Amendments to the Abstract:**

~~The invention relates to a method for the~~In a computer-assisted visualization of a three-dimensional anatomical object, ~~wherein firstly~~ two or more diagnostic image data records (1, 3, 4, 5) of the object are recorded. Thereafter, an imaging specification is defined for imaging the image data (1, 3, 4, 5) onto a two-dimensional display plane (8)[[,]]~~wherein in~~. In order to define the imaging specification, anatomical features (2) of the object are identified in at least one of the image data records (1). Finally, a combined two-dimensional representation is calculated by imaging the two or more image data records (1, 3, 4, 5) according to the previously defined imaging specification onto a common display plane (8)